

Converting Colors

$Y_{xy}(87.5252, 0.3166, 0.3200)$

Have a look what the booklet for
Yxy(87.5252, 0.3166, 0.3200)
contains.

Yxy(87.7314, 0.3164, 0.3202)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.7314, 0.3164, 0.3202)

Conversions

Conversions Part 1

Format	Color
Hex	FBEDF6
RGB	251, 237, 246
RGB Percent	98%, 93%, 96%
CMY	0.0159, 0.0705, 0.0352
CMYK	0.00, 0.06, 0.02, 0.02
HSL	321°, 63%, 96%
HSV	321°, 6%, 98%
XYZ	86.6902, 87.7314, 99.5677
YIQ	242.2120, 5.4550, 5.7670

Conversions

Conversions Part 2

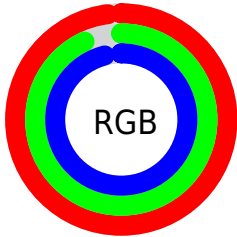
Format	Color
R _Y B	251, 237, 246
Decimal	16510454
CIE Lab	95.05, 6.24, -2.66
CIE LCh	95, 6.785, 336.883
Yxy	87.7314, 0.3164, 0.3202
Android (android.graphics.Color)	4294700534 (0xFFFBEDF6)
YUV	242.2120, 1.8675, 7.7071
Hunter-Lab	93.6650, 1.2941, 2.5391

Details

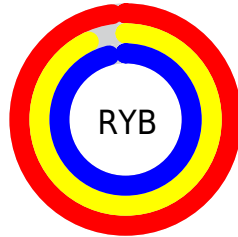
The Yxy color **87.7314, 0.3164, 0.3202** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **93.3778, 0.3092, 0.3380**, and the grayscale version is **88.9497, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.2348, 0.3167, 0.3178** is the 20% darker color. If you saturate the color by 10%, you get **73.6722, 0.3240, 0.3037**, and if you desaturate by 10%, it is **99.2332, 0.3103, 0.3291**.

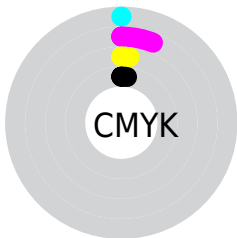
Distribution



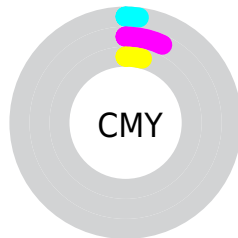
- Red (98%)
- Green (93%)
- Blue (96%)



- Red (98%)
- Yellow (93%)
- Blue (96%)



- Cyan (0%)
- Magenta (6%)
- Yellow (2%)
- Black (2%)





- Cyan (2%)
- Magenta (7%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.7314, 0.3164, 0.3202 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 87.7314, 0.3164, 0.3202 by changing the saturation by 10% instead.


 87.7314, 0.3164,
0.3202

 87.7314, 0.3164,
0.3202


520.6232, 0.3148,
0.3241

 66.1006, 0.3168,
0.3193


144.1832, 0.3158,
0.3215

 48.3541, 0.3172,
0.3183


179.7729, 0.3156,
0.3221

 34.1074, 0.3177,
0.3170


220.7845, 0.3154,
0.3225

 22.9761, 0.3184,
0.3153

267.6023, 0.3153,
0.3229

 14.5759, 0.3193,
0.3132

320.6107, 0.3151,
0.3233

 8.5223, 0.3206,
0.3101

380.1940, 0.3150,

 4.4309, 0.3224,

0.3236

446.7367, 0.3149,
0.3239

0.3057

■ 1.9174, 0.3254,
0.2986

■ 0.5588, 0.3355,
0.2743

■ 87.7314, 0.3164,
0.3202

■ 87.7314, 0.3164,
0.3202

■ 73.6722, 0.3240,
0.3037

■ 99.2332, 0.3103,
0.3291

■ 61.5845, 0.3330,
0.2867

■ 99.2396, 0.3102,
0.3290

■ 51.3819, 0.3435,
0.2696

■ 42.9671, 0.3556,
0.2531

■ 36.2342, 0.3692,
0.2383

■ 31.0659, 0.3840,
0.2263

■ 27.3298, 0.3997,
0.2181

■ 24.8713, 0.4157,
0.2147

■ 23.4992, 0.4313,
0.2166

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.7314, 0.3086, 0.3166



87.7314, 0.3164, 0.3202



87.7314, 0.3233, 0.3261

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.7314, 0.3164, 0.3202



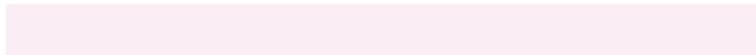
87.7314, 0.3235, 0.3421



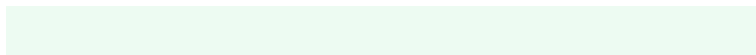
87.7314, 0.2984, 0.3249

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



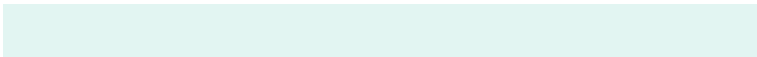
87.7314, 0.3164, 0.3202



93.3778, 0.3092, 0.3380

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.7314, 0.3023, 0.3318



87.7314, 0.3164, 0.3202



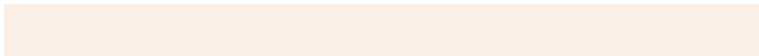
87.7314, 0.3167, 0.3419

Square

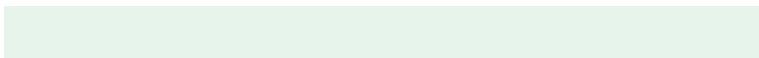
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



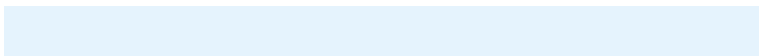
87.7314, 0.3164, 0.3202



87.7314, 0.3274, 0.3387



87.7314, 0.3089, 0.3381



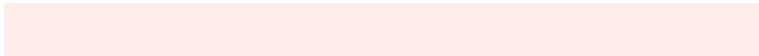
87.7314, 0.2983, 0.3191

Rectangle

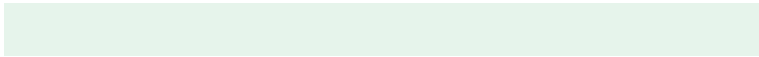
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.7314, 0.3164, 0.3202



87.7314, 0.3264, 0.3307



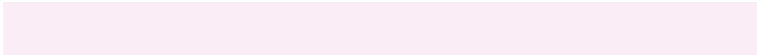
87.7314, 0.3089, 0.3381



87.7314, 0.2993, 0.3271

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



87.7352, 0.3164, 0.3202



96.6734, 0.3140, 0.3259



86.4011, 0.3074, 0.3152



20.7269, 0.3139, 0.3260



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

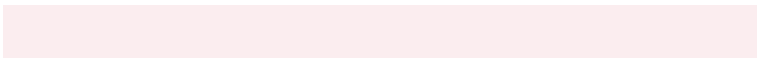
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.7352, 0.3164, 0.3202



88.7350, 0.3174, 0.3179



87.3187, 0.3207, 0.3270



17.9978, 0.3179, 0.3169



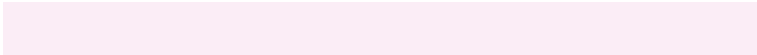
12.1836, 0.4356, 0.2174



1.1486, 0.4183, 0.2078

Inverse Universe

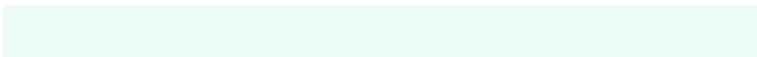
The Inverse Universe completely reimagines the original color for something new.



87.7352, 0.3164, 0.3202



88.7350, 0.3174, 0.3179



93.8008, 0.3052, 0.3310



17.9978, 0.3179, 0.3169



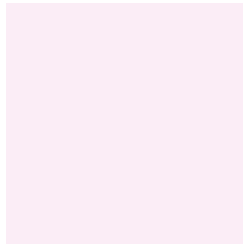
12.1836, 0.4356, 0.2174



1.1486, 0.4183, 0.2078

Previews

White Background



This preview shows how the Yxy color 87.7314, 0.3164, 0.3202 looks on a white background.

Color Contrast Check

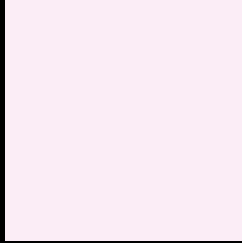
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 87.7314, 0.3164, 0.3202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

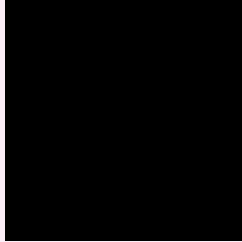
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.7314, 0.3164, 0.3202

Background



This preview shows how black text looks on a background with the Yxy color 87.7314, 0.3164, 0.3202.

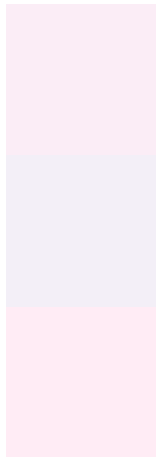


This preview shows how white text looks on a background with the Yxy color 87.7314, 0.3164, 0.3202.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

87.7314, 0.3164, 0.3202

Protanopia

87.5031, 0.3105, 0.3211

Deuteranopia

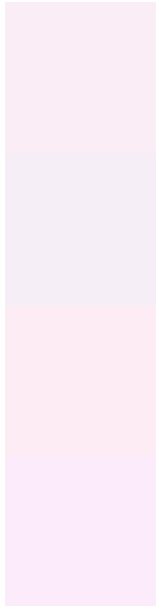
87.8435, 0.3198, 0.3203



Tritanopia

87.8421, 0.3122, 0.3115

Trichromacy



Original Color

87.7314, 0.3164, 0.3202

Protanomaly

87.4573, 0.3125, 0.3201

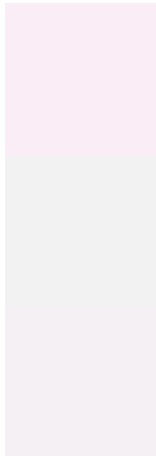
Deuteranomaly

87.6543, 0.3191, 0.3203

Tritanomaly

87.6514, 0.3141, 0.3144

Monochromacy



Original Color

87.7314, 0.3164, 0.3202

Achromatopsia

88.7923, 0.3127, 0.3290

Achromatomaly

88.2037, 0.3142, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.7314, 0.3164, 0.3202 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(251, 237, 246)` looks like.

```
.text, #text, p{  
    color:rgb(251, 237, 246)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(251, 237, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 237, 246) }
```

Border

The CSS property to change the border of an element to Yxy 87.7314, 0.3164, 0.3202 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(251, 237, 246) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(251, 237, 246) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(251, 237, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 237, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 237, 246);  
box-shadow:4px 4px 4px 4px rgb(251, 237,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 87.7314, 0.3164, 0.3202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 237, 246) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(251,  
237, 246) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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